

Converting Colors

$Y_{xy}(46.0375, 0.2285, 0.3348)$

Have a look what the booklet for
Yxy(46.0375, 0.2285, 0.3348)
contains.

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Color

Yxy(46.0375, 0.2285, 0.3348)

Conversions

Conversions Part 1

Format	Color
Hex	1BC9C5
RGB	27, 201, 197
RGB Percent	11%, 79%, 77%
CMY	0.8932, 0.2118, 0.2275
CMYK	0.86, 0.00, 0.02, 0.21
HSL	179°, 76%, 45%
HSV	179°, 86%, 79%
XYZ	31.4205, 46.0375, 60.0495
YIQ	148.5180, -102.4200, -38.1320

Conversions

Conversions Part 2

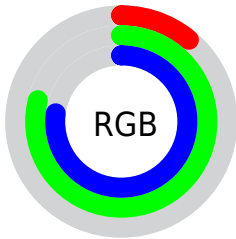
Format	Color
RYB	27, 115, 201
Decimal	1821125
CIELab	73.57, -40.35, -9.58
CIELCh	74, 41.476, 193.358
Yxy	46.0375, 0.2285, 0.3348
Android (android.graphics.Color)	4280011205 (0xFF1BC9C5)
YUV	148.5180, 23.9016, -106.5713
Hunter-Lab	67.8509, -36.0793, -4.9772

Details

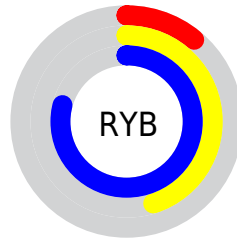
The Yxy color **46.0375, 0.2285, 0.3348** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **13.3123, 0.6088, 0.3277**, and the grayscale version is **29.8029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0553, 0.2421, 0.3299**, and **22.5409, 0.2264, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **45.8278, 0.2270, 0.3355**, and if you desaturate by 10%, it is **46.4366, 0.2317, 0.3341**.

Distribution



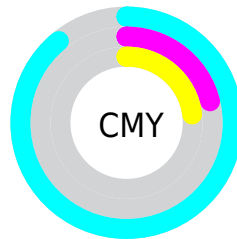
- Red (11%)
- Green (79%)
- Blue (77%)



- Red (11%)
- Yellow (45%)
- Blue (79%)



- Cyan (86%)
- Magenta (0%)
- Yellow (2%)
- Black (21%)





- Cyan (89%)
- Magenta (21%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 46.0375, 0.2285, 0.3348 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 46.0375, 0.2285, 0.3348 by changing the saturation by 10% instead.


 46.0375, 0.2285,
0.3348


 46.0375, 0.2285,
0.3348


370.9594, 0.2696,
0.3331


 32.2754, 0.2186,
0.3349


 84.2751, 0.2432,
0.3344


 21.5720, 0.2062,
0.3348


 109.5194, 0.2487,
0.3342

 13.5427, 0.1902,
0.3342


 139.3600, 0.2535,
0.3340

 7.8033, 0.1688,
0.3328

 174.1811, 0.2576,
0.3338

 3.9694, 0.1392,
0.3292

 214.3672, 0.2612,
0.3336

 1.6564, 0.0864,
0.3233

260.3027, 0.2643,

 0.3952, 0.0000,

0.3334

0.2631

312.3719, 0.2671,
0.3332

■ 0.0000, 0.0000,
0.0000

■ 46.0375, 0.2285,
0.3348

■ 46.0375, 0.2285,
0.3348

■ 45.8278, 0.2270,
0.3355

■ 46.4366, 0.2317,
0.3341

■ 45.7742, 0.2266,
0.3358

■ 47.0544, 0.2367,
0.3333

■ 47.9193, 0.2436,
0.3326

■ 49.0540, 0.2525,
0.3319

■ 50.4789, 0.2630,
0.3312

■ 52.2124, 0.2752,
0.3305

■ 54.2713, 0.2886,
0.3299

■ 56.6712, 0.3030,
0.3293

■ 59.4267, 0.3182,
0.3288

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



46.0375, 0.2699, 0.3933



46.0375, 0.2285, 0.3348



46.0375, 0.2096, 0.2814

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



46.0375, 0.2285, 0.3348



46.0375, 0.2915, 0.2478



46.0375, 0.4186, 0.4021

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



46.0375, 0.2285, 0.3348



13.3123, 0.6088, 0.3277

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



46.0375, 0.4282, 0.3595



46.0375, 0.2285, 0.3348



46.0375, 0.3508, 0.2751

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



46.0375, 0.2285, 0.3348



46.0375, 0.2431, 0.2376



46.0375, 0.4029, 0.3145



46.0375, 0.3799, 0.4310

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



46.0375, 0.2285, 0.3348



46.0375, 0.2104, 0.2567



46.0375, 0.4029, 0.3145



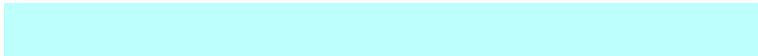
46.0375, 0.4255, 0.3887

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



46.0392, 0.2285, 0.3348



89.4225, 0.2753, 0.3305



42.1761, 0.3019, 0.5863



18.9033, 0.2708, 0.3307



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.0392, 0.2285, 0.3348



78.3675, 0.2266, 0.3359



17.8649, 0.1897, 0.1914



12.0632, 0.2987, 0.3295



28.7840, 0.2266, 0.3357



1.3643, 0.2262, 0.3341

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



13.3123, 0.6088, 0.3277



21.2729, 0.6384, 0.3291



23.2917, 0.5212, 0.4089



10.6408, 0.3286, 0.3285



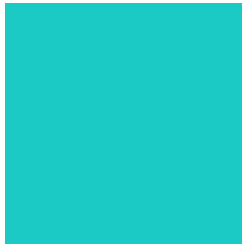
7.8159, 0.6372, 0.3284



0.3715, 0.6273, 0.3229

Previews

White Background



This preview shows how the Yxy color 46.0375, 0.2285, 0.3348 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 46.0375, 0.2285, 0.3348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

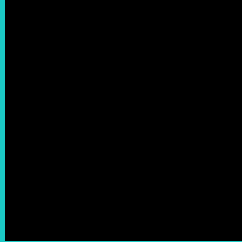
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

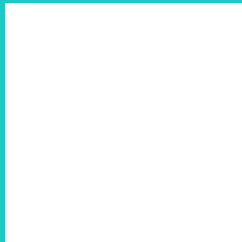
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 46.0375, 0.2285, 0.3348

Background



This preview shows how black text looks on a background with the Yxy color 46.0375, 0.2285, 0.3348.

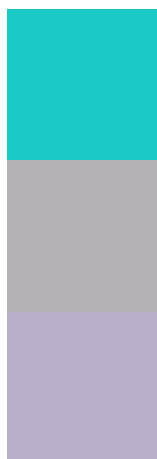


This preview shows how white text looks on a background with the Yxy color 46.0375, 0.2285, 0.3348.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

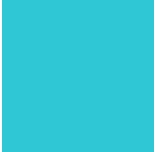
46.0375, 0.2285, 0.3348

Protanopia

45.0834, 0.3113, 0.3225

Deuteranopia

45.4108, 0.2999, 0.2937



Tritanopia

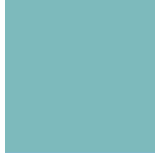
45.8475, 0.2233, 0.3055

Trichromacy



Original Color

46.0375, 0.2285, 0.3348



Protanomaly

43.1086, 0.2654, 0.3260



Deuteranomaly

43.0872, 0.2589, 0.3049



Tritanomaly

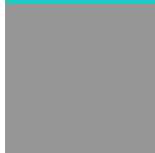
45.8520, 0.2249, 0.3155

Monochromacy



Original Color

46.0375, 0.2285, 0.3348



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

33.7617, 0.2628, 0.3321

CSS Examples

Text

The CSS property to change the color of the text to Yxy 46.0375, 0.2285, 0.3348 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(27, 201, 197)` looks like.

```
.text, #text, p{  
  color:rgb(27, 201, 197)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(27, 201, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 201, 197) }
```

Border

The CSS property to change the border of an element to Yxy 46.0375, 0.2285, 0.3348 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(27, 201, 197) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(27, 201, 197) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(27, 201, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 201, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 201, 197);  
box-shadow:4px 4px 4px 4px rgb(27, 201,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 46.0375, 0.2285, 0.3348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 201, 197) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(27, 201,  
197) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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